Experiment No. 10.

Aim :- Perform file transfer & access using FTP.

Theory :-

FTP which stands for file transfer protocol is a standard network protocol used to transfer files from on host to another over a TCP-based network, typically the internet. It is one of the oldest & most widely used method for uploading & downloading files from a remote server. FTP is supported by variety of client software applications.

Procedure :-

① Open Packet tracer.

② Add devices
- Add two Pcs to workspace.
- Place on FTP client & the other FTP server

③ Configure Pc IPs.

Client PC

IP : 192.168.1.2

Subnet mask : 255.255.255.0

Default gateway : 192.168.1.1
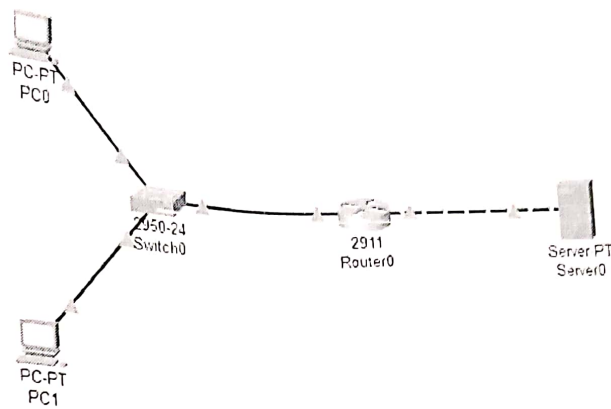
Server PC

• IP : 192.168.1.3

• Default gateway : 192.168.1.1

④ Set up an FTP server
. s/w application like Filezilla server on
the server PC to set up FTP server.

⑤ Configure FTP server
In your FTP server software, configure
the server to listen on specific port
& set up user accounts with appropriate
permissions.

⑥ Start the FTP server

⑦ Access FTP client on client PC

⑧ Connect to FTP server

⑨ Transfer File
One connected, you can use the
FTP client to upload or download
files to /from the server.

⑩ Test the transfer

Conclusion: Successfully file transfer
& access using FTP.

Network topology: PC-PT PC0 and PC-PT PC1 connected to 2950-24 Switch0, connected to 2911 Router0, connected to Server PT Server0.

PC0 — Command Prompt

```
>ftp 70.0.0.2
ying to connect...70.0.0.2
nnected to 70.0.0.2
0- Welcome to PT Ftp server
ername:ftp
1- Username ok, need password
ssword:
0-Logged in
assive mode On)
p>put ce.txt

iting file ce.txt to 70.0.0.2:
le transfer in progress...

ransfer complete - 25 bytes]

5 bytes copied in 0.036 secs (694 bytes/sec)
tp>dir

isting /ftp directory from 70.0.0.2:
   : asa842-k8.bin                                  5571584
   : asa923-k8.bin                                 30469096
   : c1841-advipservicesk9-mz.124-15.T1.bin        33591763
   : c1841-ipbase-mz.123-14.T7.bin                 13832032
   : c1841-ipbasek9-mz.124-12.bin                  16599160
   : c1900-universalk9-mz.SPA.155-3.M4a.bin        33591763
   : c2600-advipservicesk9-mz.124-15.T1.bin         5571584
   : c2600-i-mz.122-28.bin                         13169700
   : c2600-ipbasek9-mz.124-8.bin                   50938004
   : c2800nm-advipservicesk9-mz.124-15.T1.bin      33591768
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin        5571584
   : c2900nm-ipbase-mz.123-14.T7.bin               15522644
11 : c2800nm-ipbasek9-mz.124-8.bin                 33591763
   : c2900-universalk9-mz.SPA.155-3.M4a.bin         3058043
   : c2650-i6q412-mz.121-22.EA4.bin                 3117390
   : c2950-i6q412-mz.121-22.EA8.bin                 4414921
   : c2960-lanbase-mz.122-25.FX.bin                 4670455
   : c2960-lanbase-mz.122-25.SEE1.bin               4670455
   : c2960-lanbasek9-mz.150-2.SE4.bin               8662192
   : c3560-advipservicesk9-mz.122-37.SE1.bin       10713279
   : c3560-advipservicesk9-mz.122-46.SE.bin        33591768
   : c800-universalk9-mz.SPA.152-4.M4.bin          83029236
   : c800-universalk9-mz.SPA.154-3.M6a.bin
   : cat3k_cda-universalk9.16.03.02.SPA.bin
                                                         25
```

PC1 — Command Prompt

```
Listing /ftp directory from 70.0.0.2:                     5571584
0  : asa842-k8.bin                                        30468096
1  : asa923-k8.bin                                        33591768
2  : c1841-advipservicesk9-mz.124-15.T1.bin              13832032
3  : c1841-ipbase-mz.123-14.T7.bin                       16599160
4  : c1841-ipbasek9-mz.124-12.bin                        33591768
5  : c1900-universalk9-mz.SPA.155-3.M4a.bin              33591763
6  : c2600-advipservicesk9-mz.124-15.T1.bin               5571584
7  : c2600-i-mz.122-28.bin                               13169700
8  : c2600-ipbasek9-mz.124-8.bin                         50938004
9  : c2800nm-advipservicesk9-mz.124-15.T1.bin            33591768
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin              5571584
11 : c2800nm-ipbase-mz.123-14.T7.bin                     15522644
12 : c2800nm-ipbasek9-mz.124-8.bin                       33591768
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin               3058043
14 : c2950-i6q412-mz.121-22.EA4.bin                       3117390
15 : c2950-i6q412-mz.121-22.EA8.bin                       4414921
16 : c2960-lanbase-mz.122-25.FX.bin                       4670455
17 : c2960-lanbase-mz.122-25.SEE1.bin                     4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin                     8662192
19 : c3560-advipservicesk9-mz.122-37.SE1.bin             10713279
20 : c3560-advipservicesk9-mz.122-46.SE.bin              33591768
21 : c800-universalk9-mz.SPA.152-4.M4.bin                83029236
22 : c800-universalk9-mz.SPA.154-3.M6a.bin
23 : cat3k_cda-universalk9.16.03.02.SPA.bin
505532849
24 : ce.txt                                                    25
25 : cgr1000-universalk9-mz.SPA.154-2.CG
159487552
26 : cgr1000-universalk9-mz.SPA.156-3.CG
184530138
27 : ir800-universalk9-bundle.SPA.156-3.M.bin
                                                          61750062
160968869                                                 63753767
28 : ir800-universalk9-mz.SPA.155-3.M                      2877440
29 : ir800-universalk9-mz.SPA.156-3.M                      6912000
30 : ir800_yocto-1.7.2.tar                                 5571584
31 : ir800_yocto-1.7.2_python-2.7.3.tar                    3117390
32 : pt1000-i-mz.122-28.bin
33 : pt3000-i6q412-mz.121-22.EA4.bin
ftp>get ce.txt

Reading file ce.txt from 70.0.0.2:
file transfer in progress...

[Transfer complete - 25 bytes]

25 bytes copied in 0 secs
ftp>
```

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